Title (en)

Dispersive spectrometer with multichannel detection.

Title (de)

Dispersives Spektrometer mit Vielkanaldetektion.

Title (fr)

Installation de spectrométrie dispersive à détection multicanale perfectionnée.

Publication

EP 0465350 B1 19941214 (FR)

Application

EP 91401821 A 19910702

Priority

FR 9008407 A 19900703

Abstract (en)

[origin: US5164786A] The invention relates to a spectrometry installation comprising an inlet, optical fiber means suitable for receiving an inlet beam and delivering a spectrally dispersed image of the beam which image is limited to a selected spectral band, a multi-channel detection module receiving said spectral image, and processor means. The optical filter means are provided with a deflector stage. Control means are associated with the optical deflector means to define the spectral band in terms of center frequency and band width, and control means are associated therewith for displacing the spectral image over the detection module. An electronic control unit is provided to control the control means and to control the processor means in a plurality of operating modes, each of which comprises joint control of the selected spectral band, of the displacement of the spectral image, and of the processor means, for the purpose of selectively using a particular set of detector components.

IPC 1-7

G01J 3/28; G01J 3/06

IPC 8 full level

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CPC (source: EP US)

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Cited by

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DE GB IT NL SE

DOCDB simple family (publication)

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DOCDB simple family (application)

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